



# ROADMAP FOR A SUSTAINABLE SOLID WASTE MANAGEMENT FUTURE



2/4/2016

Environmental Programs Division  
Los Angeles County Department of Public Works

# Roadmap Subcommittees

## Meeting Agenda

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Thursday, February 4, 2016  
9:00 A.M. – 11:00 A.M.

1. Welcome and Introductions
2. General Plan and Community Climate Action Plan Presentation
3. Planning and Measurement
  - Strategy 2: Measuring Results*
4. Breakout Sessions
  - ▣ County Unincorporated Communities Subcommittee
  - ▣ Regional/Countywide Subcommittee
  - ▣ County Operations Subcommittee
  - ▣ Outreach and Education Subcommittee
5. Open Discussion and Next Steps

Los Angeles County

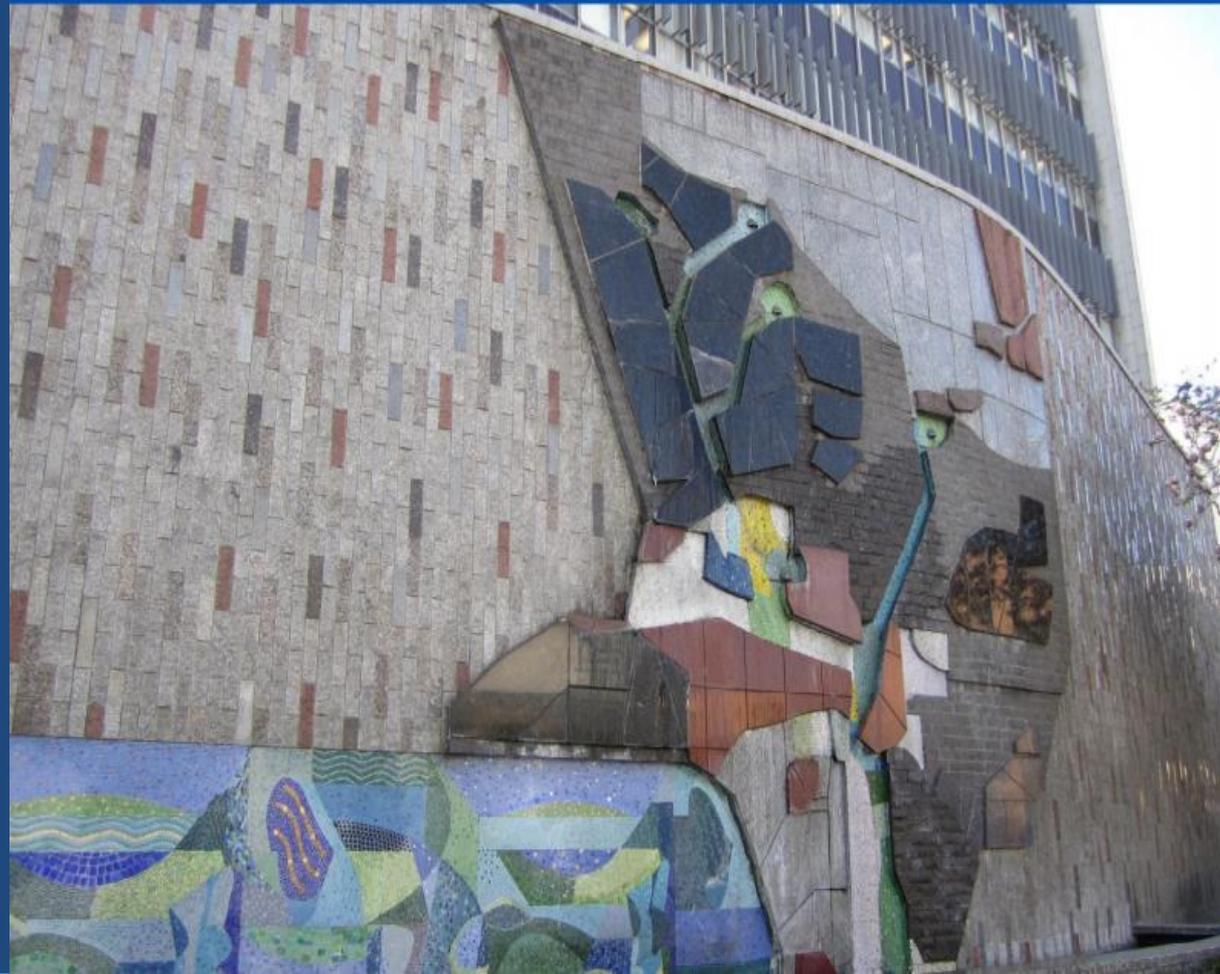
# General Plan

Adopted October 6, 2015

## LA County General Plan & Sustainable Waste Management

**Connie Chung**  
**Kristen Holdsworth**  
Department of Regional Planning

Sustainable Solid Waste  
Management Future Roadmap  
Implementation Working Group  
Subcommittee Meeting  
February 4, 2016

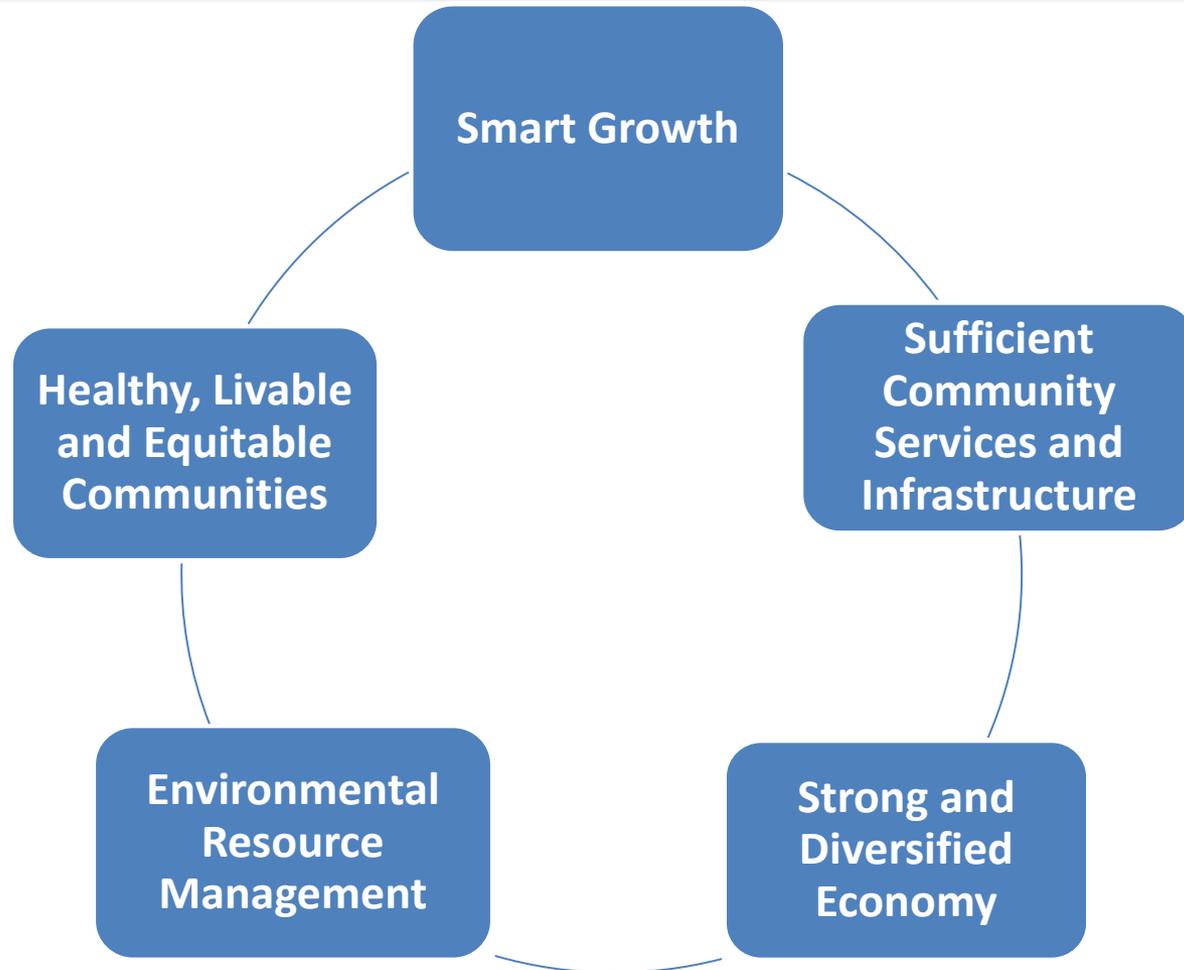


# What is the General Plan?

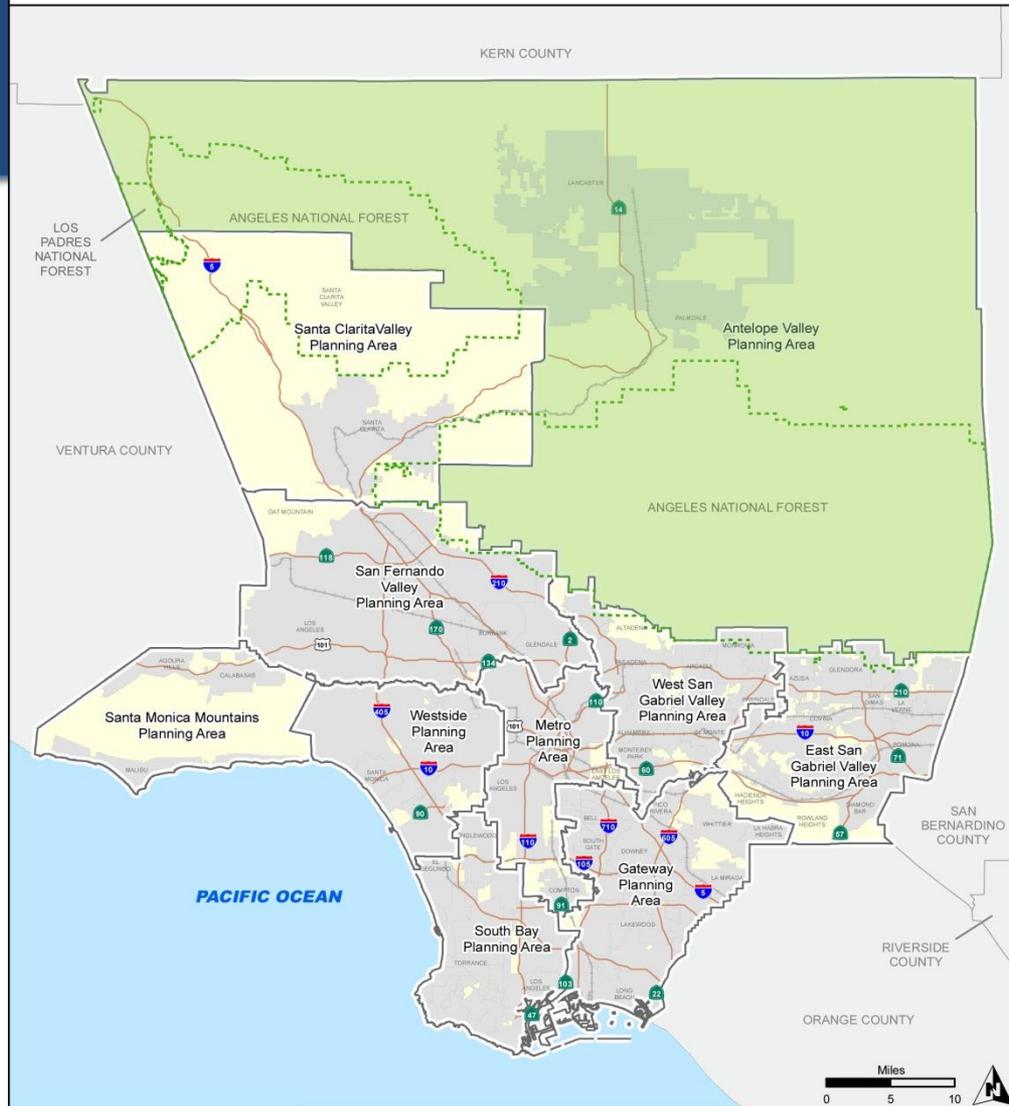
- The General Plan is a long-term vision of growth for LA County unincorporated areas
- The General Plan guides the physical development and conservation through 2035
- Provides a framework of goals, policies, and implementation programs
- Adopted by Board of Supervisors October 2015



# Guiding Principles







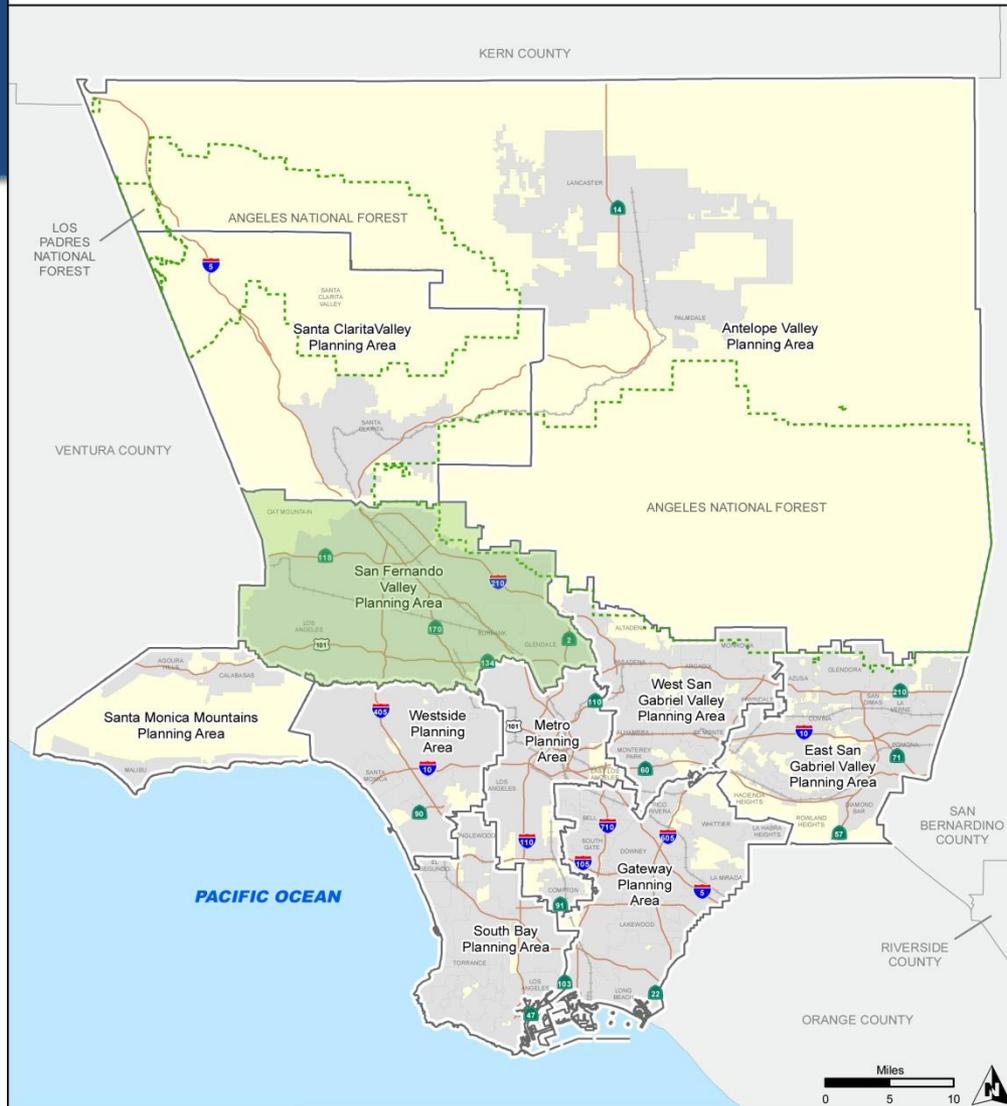
- Planning Areas
- Unincorporated Areas
- Cities

NOTE: Islands are not shown in their true locations.

Source: Department of Regional Planning, November 2014





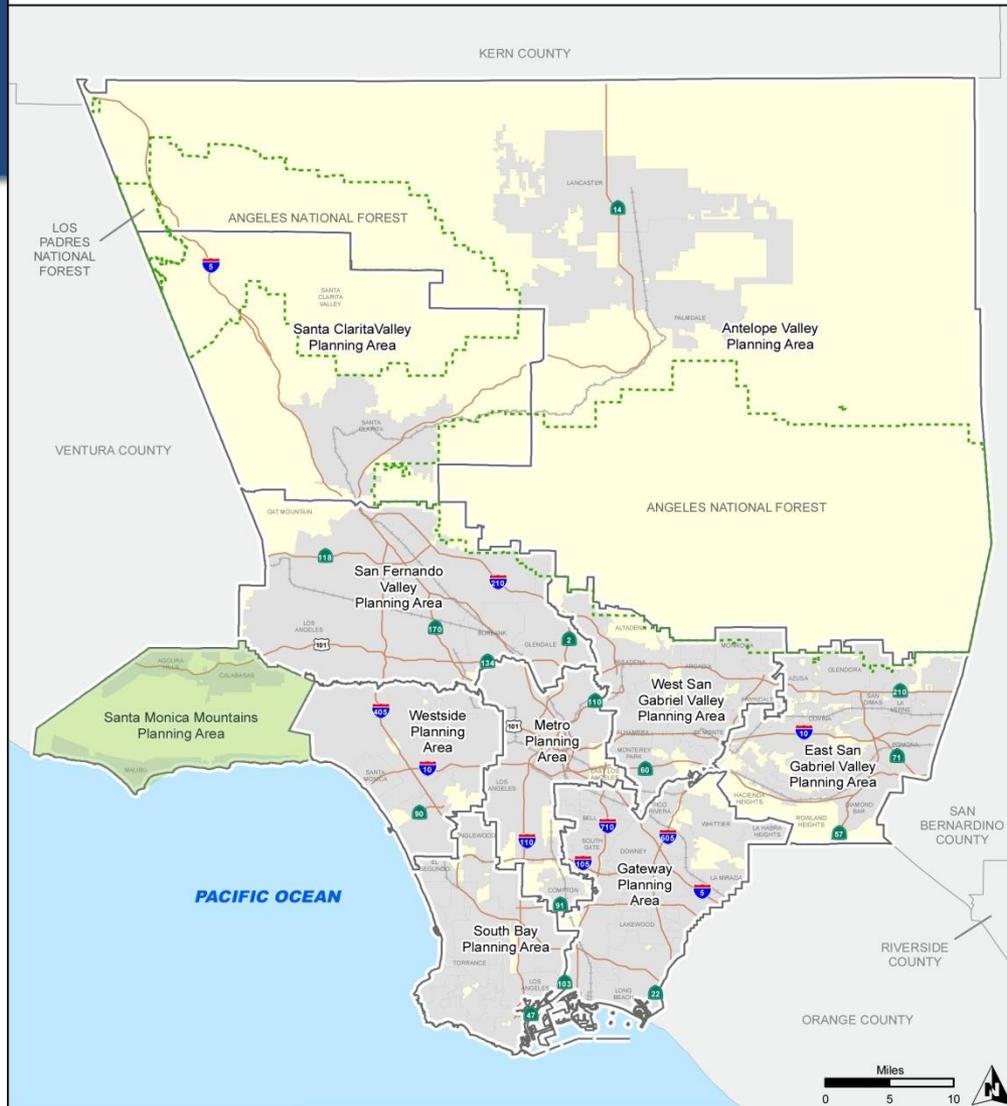


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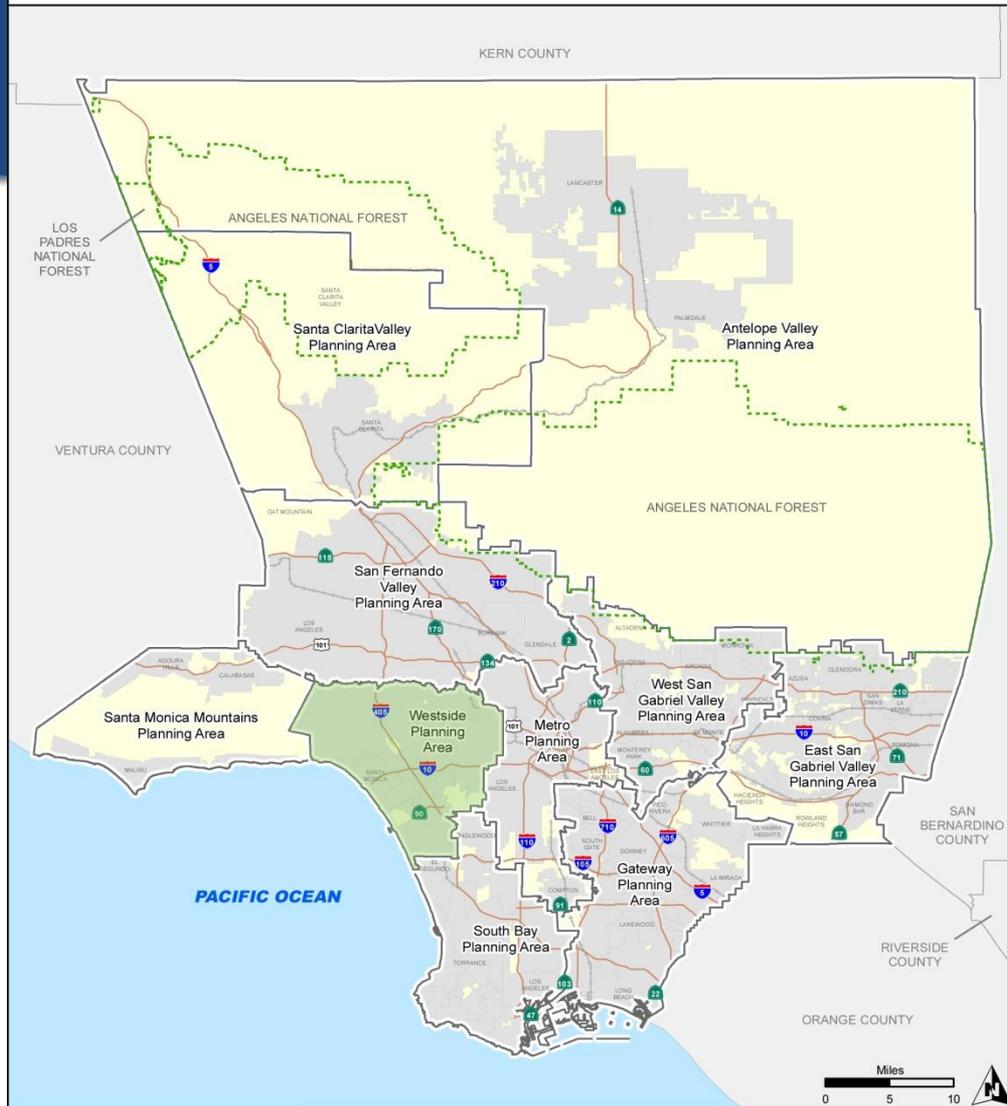


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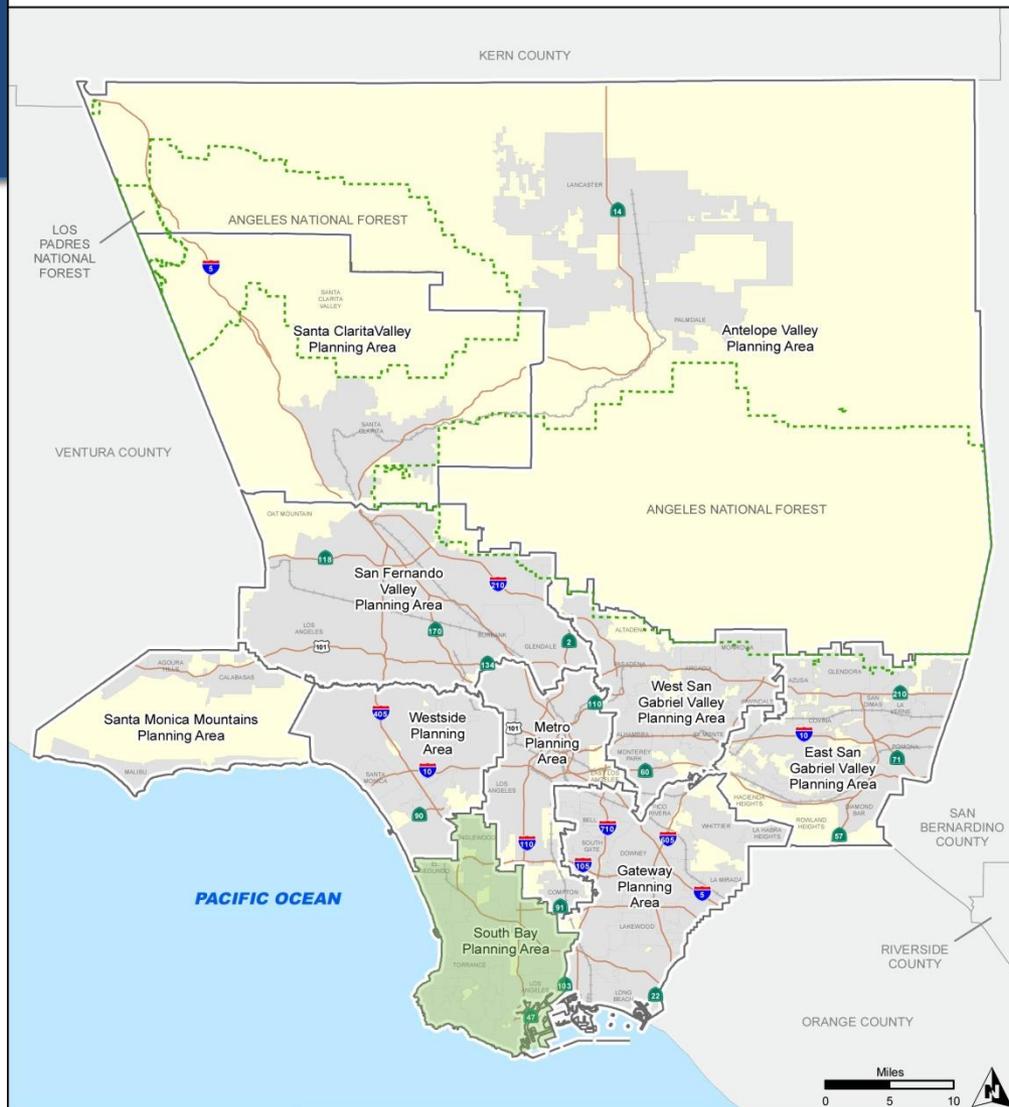


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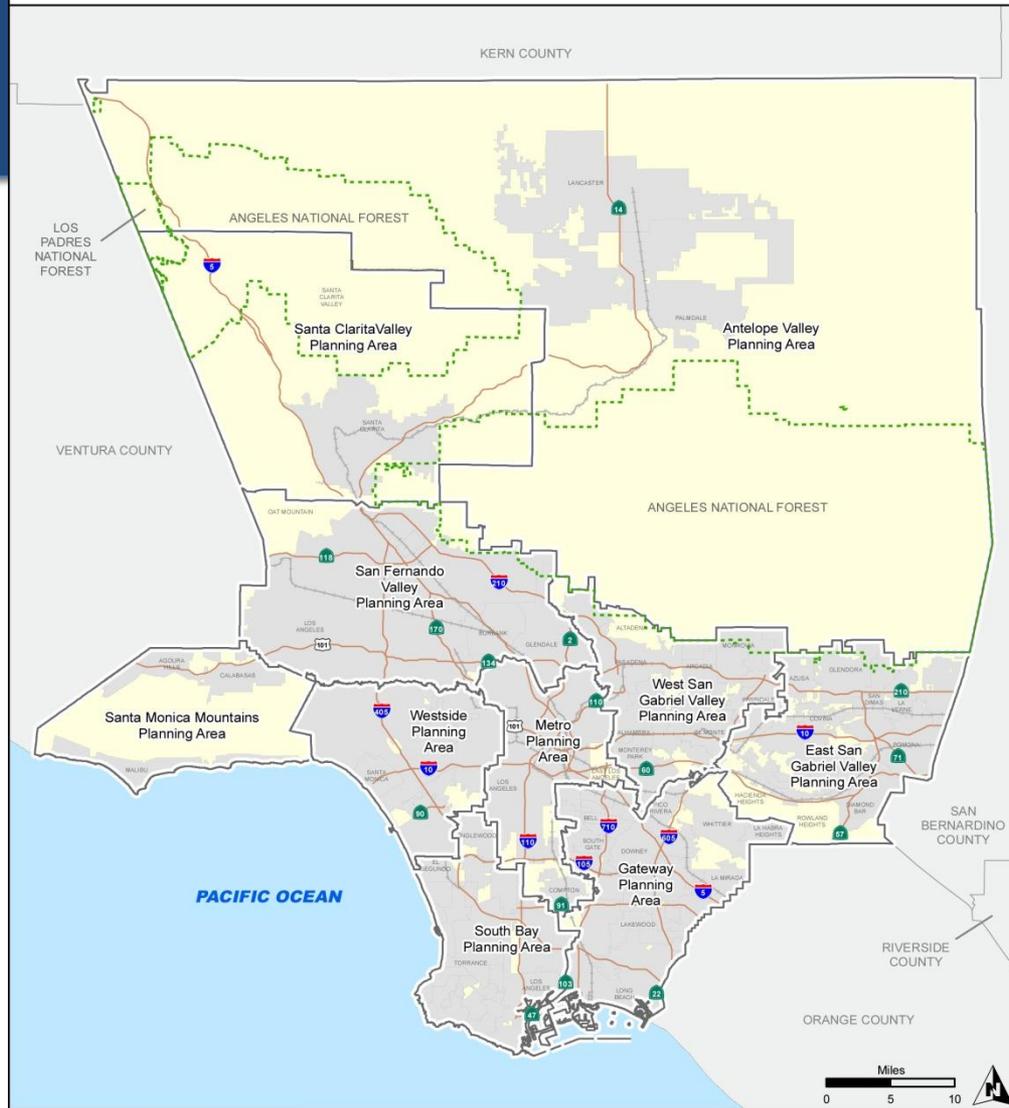


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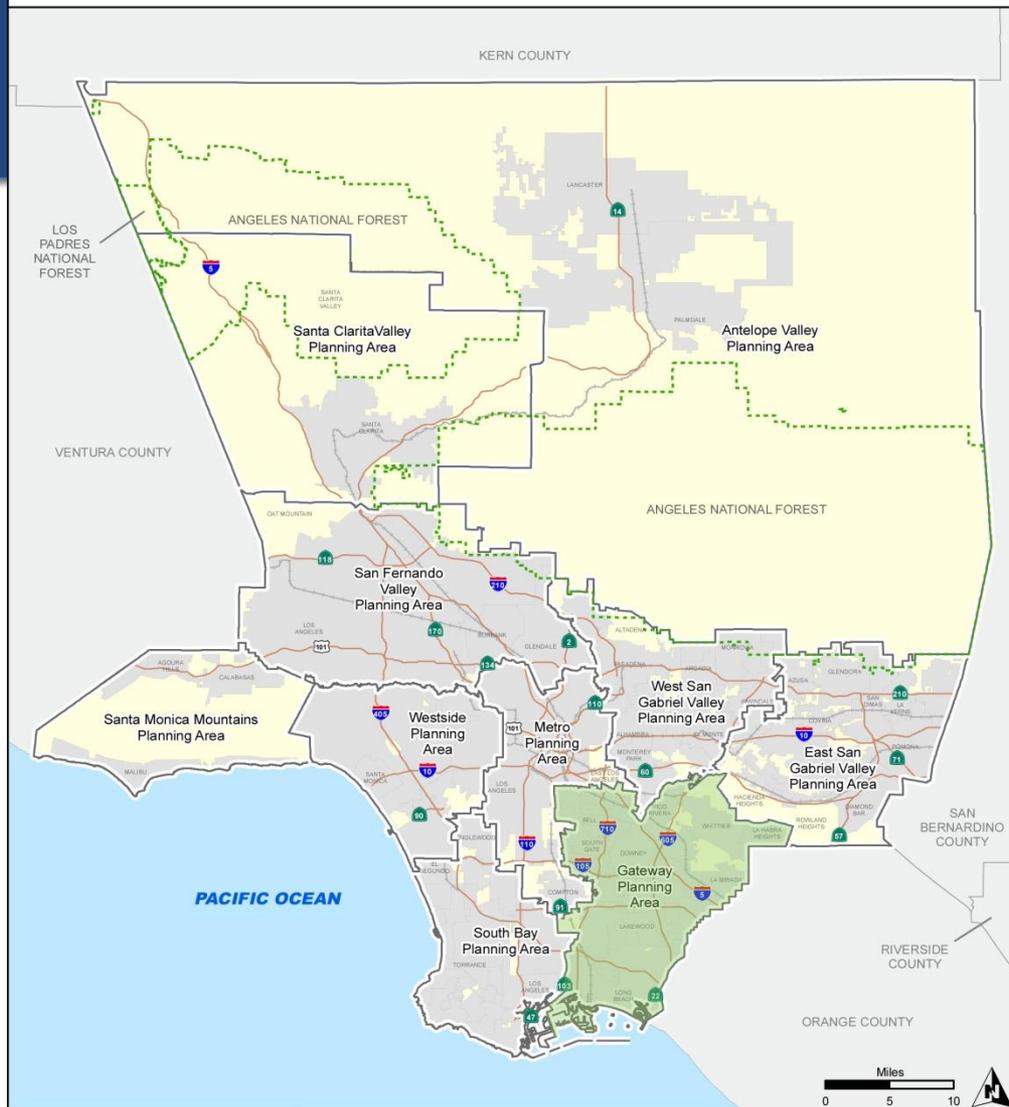
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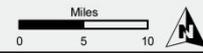






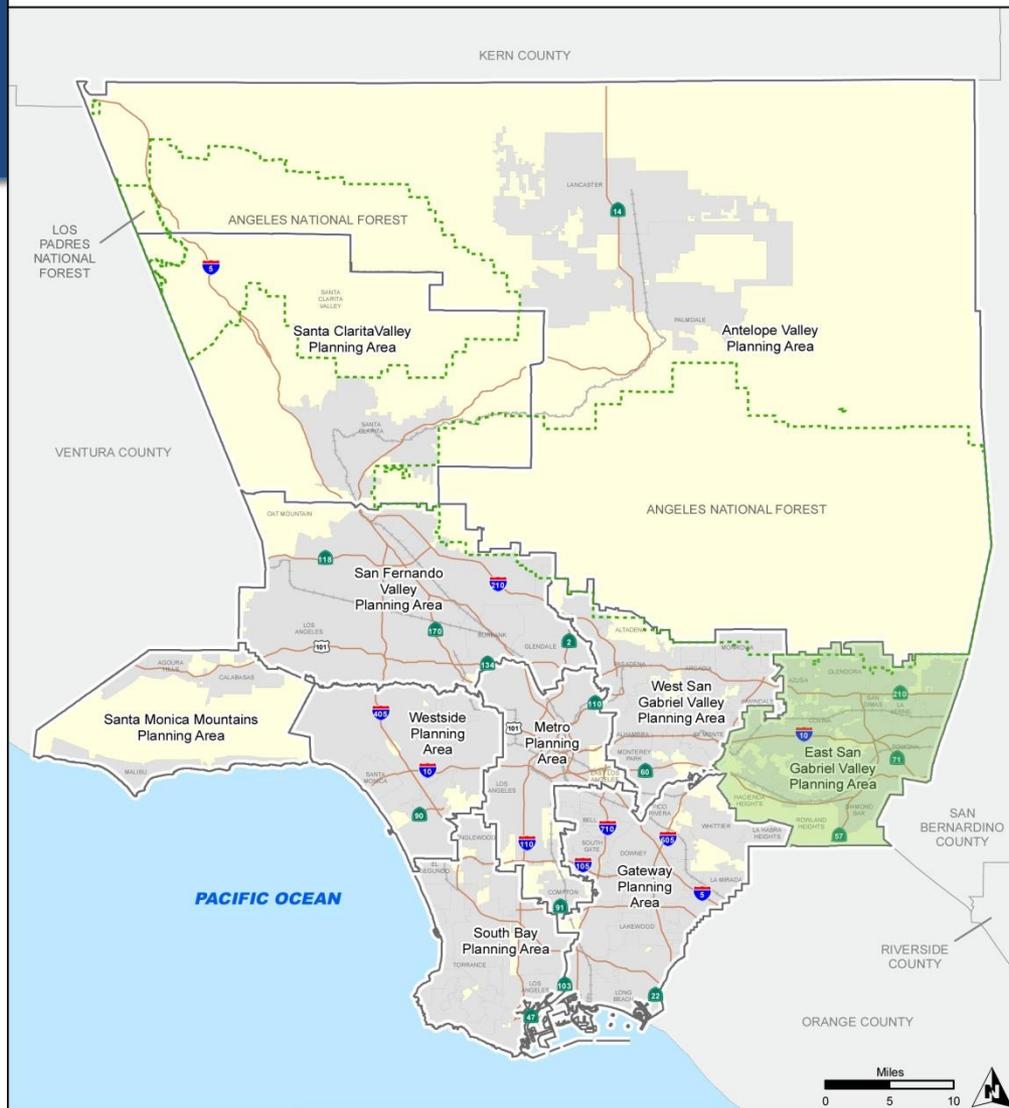
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# General Plan Elements

- **Land Use**
- Mobility (includes Bicycle Master Plan)
- **Air Quality (includes CCAP)**
- Conservation and Natural Resources
- Parks and Recreation
- Noise
- Safety
- **Public Services and Facilities**
- Economic Development
- Housing Element- Adopted 2014



# Public Services and Facilities Element

- The Public Services and Facilities Element focuses on services and facilities that are affected the most by growth and development:
  - Drinking Water
  - Sanitary Sewers
  - Solid Waste
  - Utilities
  - Early Care and Education
  - Libraries
- This Element **works in conjunction** with the Los Angeles County Department of Public Works (DPW) Strategic Plan, which outlines service delivery goals to address the provision of public services and facilities to the unincorporated areas.



# Public Services and Facilities Element

- The Public Services and Facilities Element includes Solid Waste.
- It promotes **minimizing waste and ensuring adequate disposal capacity**.
- This Element's General Plan implementation programs also include Planning Area Capital Improvement Plans To support **strategic planning** for public services and facilities.
- The **Department of Regional Planning** and the **Department of Public Works** will jointly secure sources of funding and conduct studies to assess infrastructure needs.



# Public Services and Facilities

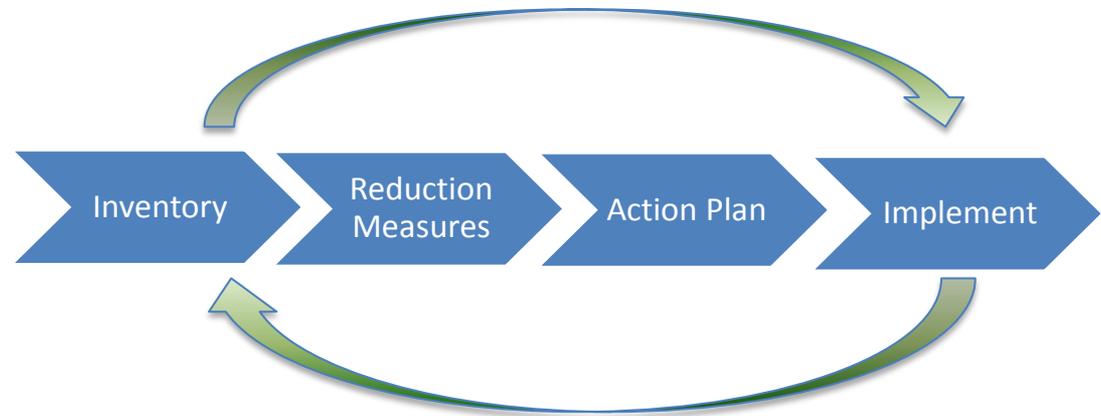
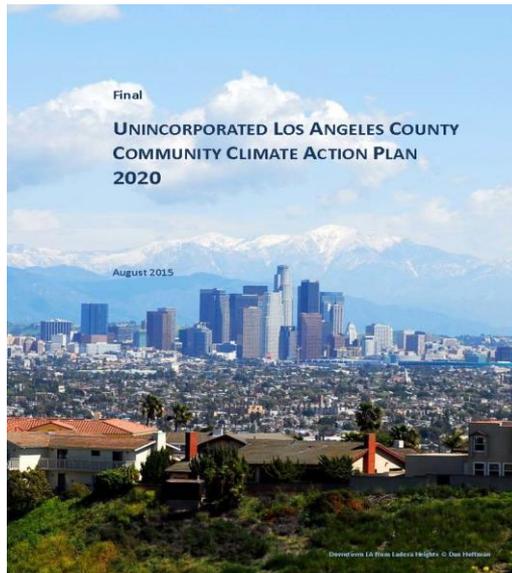
## Goals for Solid Waste

<b>Goal PS/F 5: Adequate disposal capacity and minimal waste and pollution.</b>	
<b>Topic</b>	<b>Policy</b>
Waste Management	Policy PS/F 5.1: Maintain an efficient, safe and responsive waste management system that reduces waste while protecting the health and safety of the public.
	Policy PS/F 5.2: Ensure adequate disposal capacity by providing for environmentally sound and technically feasible development of solid waste management facilities, such as landfills and transfer/processing facilities.
	Policy PS/F 5.3: Discourage incompatible land uses near or adjacent to solid waste disposal facilities identified in the Countywide Integrated Waste Management Plan.
Waste Diversion	Policy PS/F 5.4: Encourage solid waste management facilities that utilize conversion and other alternative technologies and waste to energy facilities.
	Policy PS/F 5.5: Reduce the County's waste stream by minimizing waste generation and enhancing diversion.
	Policy PS/F 5.6: Encourage the use and procurement of recyclable and biodegradable materials.
	Policy PS/F 5.7: Encourage the recycling of construction and demolition debris generated by public and private projects.
	Policy PS/F 5.8: Ensure adequate and regular waste and recycling collection services.
	Policy PS/F 5.9: Encourage the availability of trash and recyclables containers in new developments, public streets, and large venues.



# Air Quality Element: Community Climate Action Plan

- AB 32 (2006)
- Climate action plans (CAPs) are comprehensive roadmaps that outline specific activities the County will undertake to reduce greenhouse gas emissions.
- CCAP through 2020



# COMMUNITY Climate Action Plan

- There are two types of climate action plans: community and municipal
- The CCAP addresses emissions from unincorporated LA County communities
- Does NOT include County facilities or operations

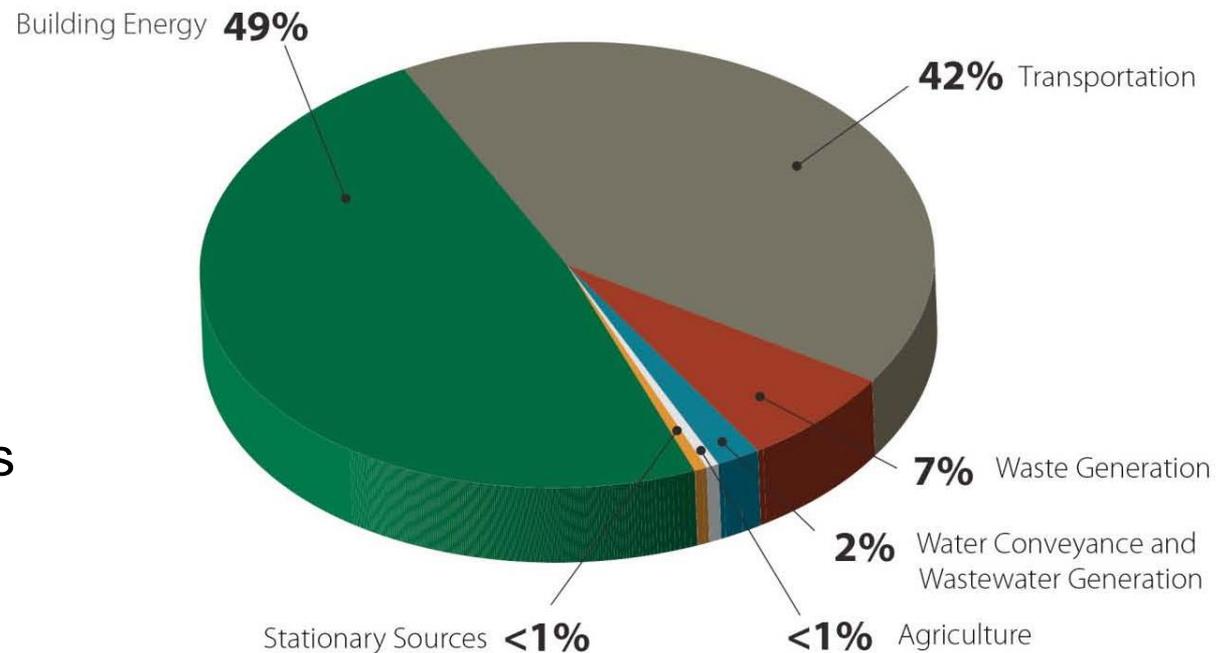
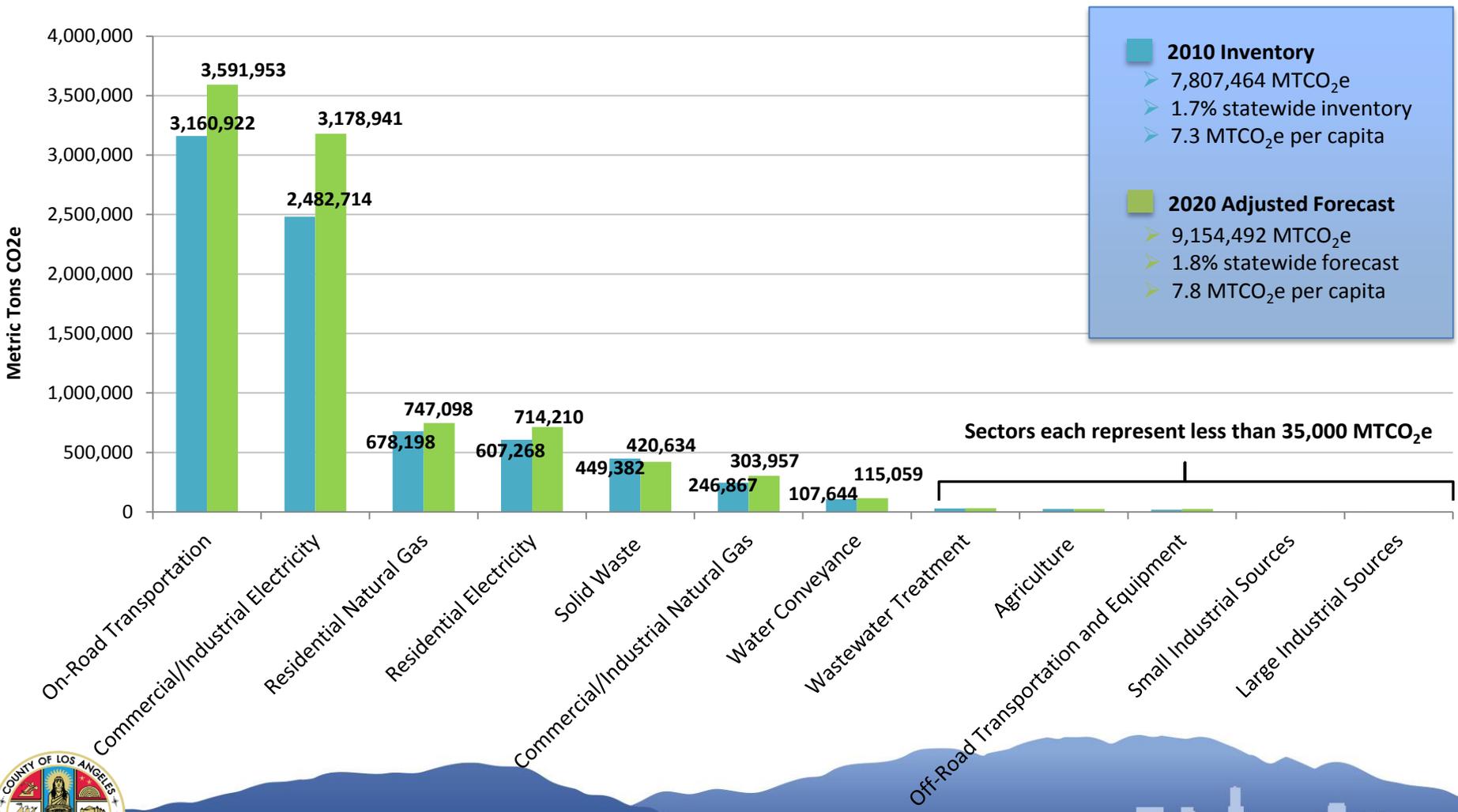


Figure ES-1. 2010 GHG Inventory for Unincorporated LA County by Sector



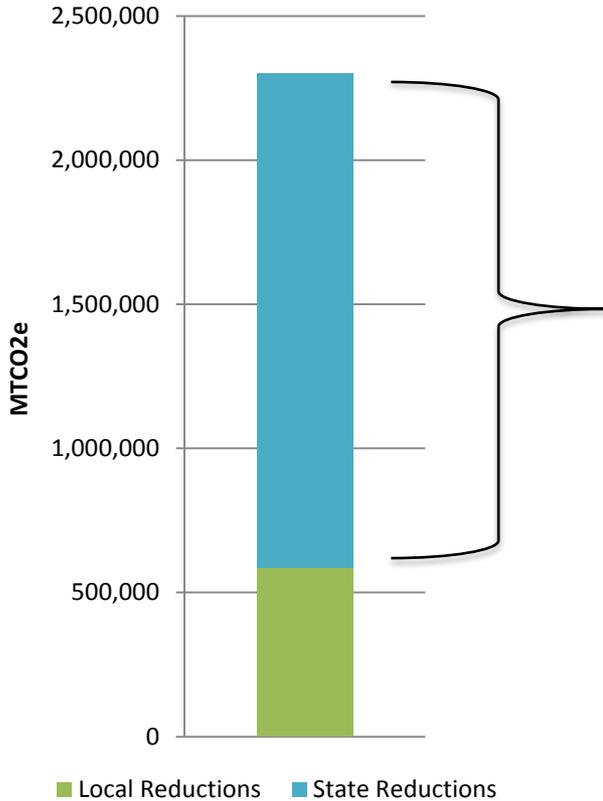
# 2010 Inventory and Projected 2020 Emissions



# Reduction Strategies & Quantification



Total GHG Reductions



- Identify Potential Measures
- Identify Sources/Sectors
- Quantify Reductions

- State actions represent 75% of total Unincorporated County reductions (1.7 MMTCO<sub>2</sub>e)
- *Reductions from four State actions:*
  - Renewables Portfolio Standard
  - Title 24 Standards for Commercial and Residential Buildings
  - Low Carbon Fuel Standards
  - California cap-and-trade program

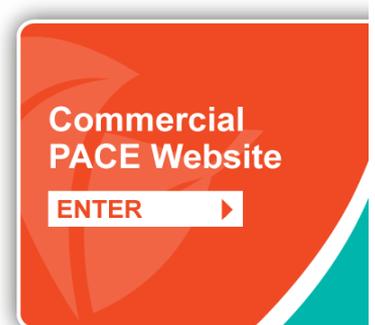


# Reduction Strategy Areas (Local Reductions)



Five Consolidated Strategy Areas for **LOCAL** reductions :

- Green Building and Energy
- Water Conservation and Wastewater
- Land Use and Transportation
- Waste Reduction, Reuse, and Recycling
- Land Conservation and Tree Planting



# Waste CCAP Measure

## Reductions:

1.8% of local Unincorporated County reductions



### Proposed CCAP Measure

Title	Goal
<b>Waste Reduction, Reuse, and Recycling</b>	
SW-1. Waste Diversion Goal	For the County's unincorporated areas, adopt a waste diversion goal to comply with all state mandates to divert at least 75% of waste from landfill disposal by 2020.

### Measure Analysis

Relevant General Plan Policies (2035 General Plan)	Relevant Local Programs
<ul style="list-style-type: none"> <li><b>Public Services and Facilities:</b> PS/F 5.1, PS/F 5.2, PS/F 5.4, PS/F 5.5, PS/F 5.6, PS/F 5.7, PS/F 5.8, PS/F 5.9</li> </ul>	<ul style="list-style-type: none"> <li>Clean LA Recycle Programs</li> <li>SCE Residential Appliance Recycling Program</li> <li>Construction and Demolition Debris Recycling and Reuse Program</li> </ul>



# Roadmap to a Sustainable Waste Management Future



The roadmap aligns with:

- The Los Angeles County Strategic Plan, Goal #2: Community Support and Responsiveness;
- The Los Angeles County General Plan
- The final draft Community Climate Action Plan; and
- The Public Works Strategic Plan



# LA County Reduction Targets



- 80% diversion from landfills by 2025
- 90% diversion from landfills by 2035
- 95% + diversion from landfills by 2045



# Waste Reduction Strategies

## Highlighted Roadmap Initiatives

### County Unincorporated Communities

- Recover Organics, including Food Waste, to Highest and Best Uses
- Maximize Diversion of Construction and Demolition (C&D) Debris
- Advocate for Extended Producer Responsibility (EPR)
- Waste Sector Assessment
- Communication Action Plan

### Regional/ Countywide

- Enhance Household Hazardous Waste (HHW) and Electronic Waste Management
- Develop Conversion Technologies and Integrated Materials Recovery Facilities
- Develop Resource and Recovery Centers and Re-Stores for Self-Haul Customers

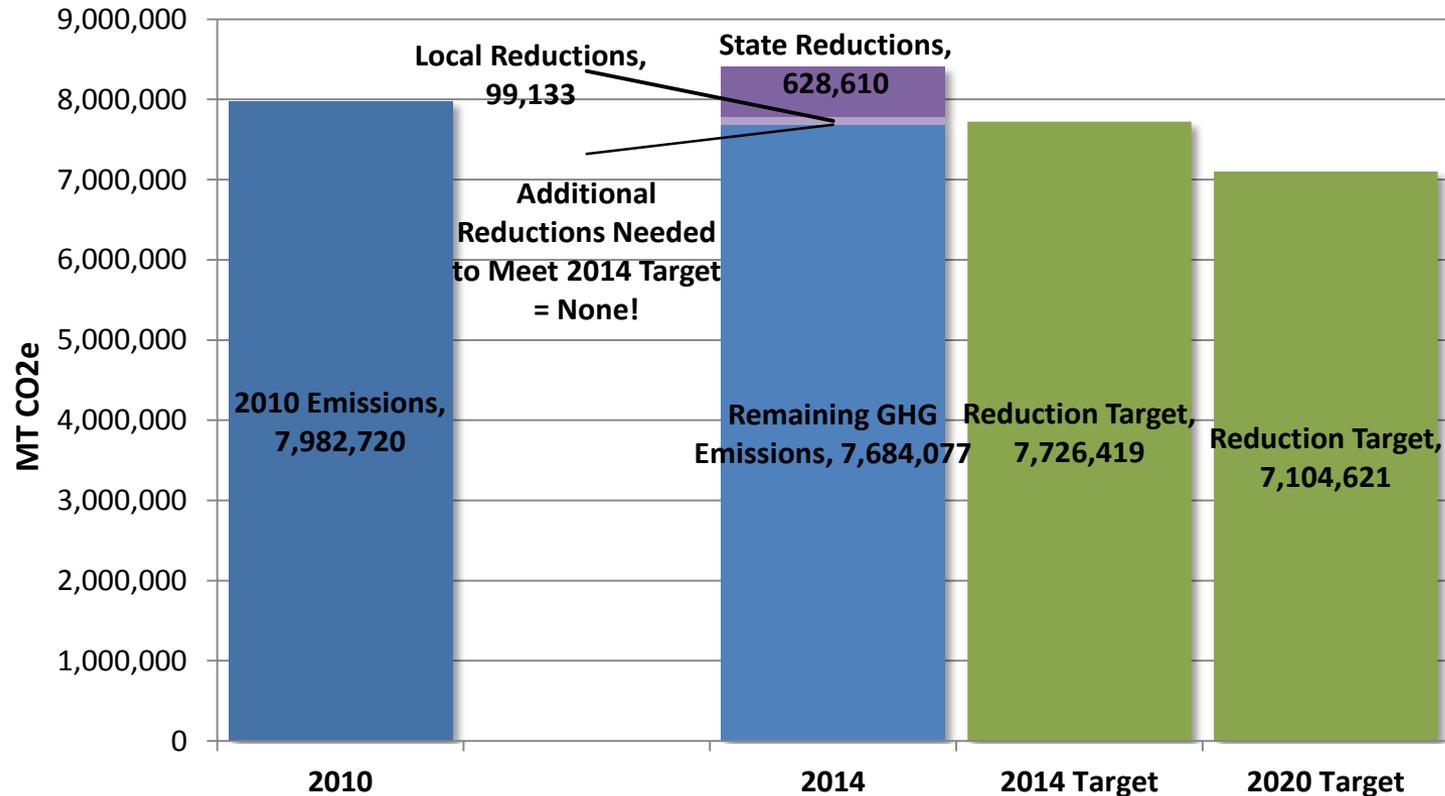
### County Operations

- Evaluate County purchasing practices
- Waste Sector Assessment
- Organics Processing Infrastructure at County Facilities



# 2014 CCAP Implementation

## Avoided GHG Emissions for State and Local Actions



# Ongoing General Plan & CCAP Implementation (Climate/Environmental Initiatives)

## •Healthy Design Ordinance / Workgroups

- Climate/Urban Heat Island
- Urban Forest/Trees
- Livable Design Guidelines
- Grants

## •Sustainability Council

- Framework Dashboard
- Cap & Trade Funding

## •Department of Regional Planning 2016 Initiatives

- Recycling and Solid Waste Ordinance
- Green Zones
- Cool Roofs, Cool Pavements, EV, Renewable Energy
- Housing & Homelessness
- Equitable Development Work Program, Equity Assessment Tool/Scorecard



# For More Information

**General Plan:** <http://planning.lacounty.gov/generalplan/generalplan>

**CCAP:** <http://planning.lacounty.gov/ccap>

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**Department of Regional Planning**

General Plan Development & Housing Section



# Open Discussion

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## Breakout Sessions:

- ❑ County Operations
- ❑ County Unincorporated Communities
- ❑ Regional/Countywide
- ❑ Outreach and Education



Next meeting is scheduled for April 14, 2016.